

**SEMICONDUCTOR DEVICE TESTING APPARATUS AND A TEST TRAY  
FOR USE IN THE TESTING APPARATUS**

**ABSTRACT**

An IC tester which is capable of reducing the time required before  
5 completion of testing on all of ICs to be tested is provided. The depth (length  
in the Y-axis direction ) of the constant temperature chamber 4 and the exit  
chamber 5 is expanded by a dimension corresponding approximately to one  
transverse width (length of the minor edge) of the rectangular test tray 3, and  
two generally parallel test tray transport paths or alternatively a widened test  
10 tray transport path broad enough to transport two test trays simultaneously  
with the two test trays juxtaposed in a direction transverse to the widened test  
tray transport path are provided in the section of test tray transport path  
extending from the soak chamber 41 in the constant temperature chamber 4  
through the testing section 42 in the constant temperature chamber 4 to the  
15 exit chamber 5 so that two test trays may be simultaneously transported along  
the two test tray transport paths or the widened test tray transport path.

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